7/6/2018

Supplier Name	\$357.16 Acier Ouellette Inc.	Acier Ouellette Inc.	Acier Ouellette Inc.	\$31.39 Acier Ouellette Inc.	\$182.66 Acier Ouellette Inc.	
Total	\$357.16	\$110.76 Acier Ouell Inc.	\$73.37	\$31.39	\$182.66	\$574.79
Past						69
Aging Days	-	-	-	-	-	
Receive Price/Unit Aging Past	\$ 22.32 / ft	\$ 18.46 / ft	\$6.11/ft	\$ 1.57 / ft	\$ 7.61 / ft	
Receive Date	7/5/2018	7/5/2018	7/5/2018	7/5/2018	7/5/2018	
Status	Stock	Stock	Stock	Stock	Stock	П
Container	S089592	8089893	8089594	8089595	983239	
Accounting Container Status Job No No						
Received , Quantity	16	Ø	2	20	42	78
Due Date	16 7/11/2018					
Order Qty	16	Φ	12	20		74
Equipment Order ID Qty			+			Total:
Project						
For Part No	0.87					
Description	Hot Rolled Steel Plate 0.750"" (44W): MATERIAL: HOT ROLLED STEEL SHEET ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	6061-T6 Bar .500 x 10.00: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-4.225/8 OR AMS-QQ- 4-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR ASTM B211 OR ASTM B221 receive ft	6061T6 Bar 0.625 X 2.000 : MATERIAL: 6061- : T6fr65/1765 10/T651/1765 ALUMINUM BAR PER QQ-A-225/8 OR AMS A-226/8 OR AMS A-220/8 OR AMS A-200/8 OR AMS A-200/8 OR AMS 4160 OR A-200/8 OR AMS 4160 OR A-2100/8 OR AMS 4160	6061T6 Bar 0.500 X 0.750 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINIM BAR PER QCA-225/8 OR AMS A-225/8 OR AMS A-25/8 OR AMS A-200/8 OR AMS-QO- A-200/8 O	6061T6 Bar 0.375 X 5.000 : MATERIAL: 6061- TOTG51T16510T16511T62 ALUMINUM BAR PER QQ-A-226/8 OR AMS QQ-A-226/8 OR AMS QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS-11 OR ASTM B221 receive ft	
Purchased Item	MT-HRS-P-0.750	M6061T6B0.500X10.000 MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QC-A-225/8 OR AMS-QC-A-225/8 OR AMS-QC-A-226/8 OR AMS-QC-A-200/8 OR AMS-QC-A-2	M6061T6B0.625X02.000 6061T6 Bar 0.625 X 2.000 : MATERIAL: 6061- T67E61/TE610/TE611/TE2 ALUMINUM BAR PER QQ-A-225/8 OR AMS QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS QQ-A-20	M6061T6B0.500X00.750 : MATERIAL: 6061- : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QCA-A-225/8 OR AMS-QO- A-226/8 OR AMS QCA-2200/8 OR AMS-QO- A-200/8	M6061T6B0.375X5.000 66	
Terms	Net 30					
n Rel	-	2	m	4	0.1	
Supplier Item No	31001-vc	4	14	14	A.	
PO No St	P0040268 ACI001-VC		2			

1/2

ACIER OUELLETTE INC.935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

C00009643C

DART AEROSPACE LTD	Shipped to DART AEROSPACE LTD		Customer N° Date	CLI0001056 2018/06/21	1056 6/21	
1270 , ABERDEEN ST.			Delivery date Your order N°	2018 040268	2018/07/04 040268	
HAVNESBURT, ORIGIN, NOW IN	, Origino, Att : CHANTAL LAVOIE TÉL: 613-632-5200	613-632-5200	Processed by Salesman	Eric Kaehlert	ehlert	
Instruction F-M	Delivery Route 5		Carrier Credit Terme	OUELLETTE Net 30 Days	OUELLETTE VALLEYFIELD Net 30 Days	ELD
			PCS NB		Internal Use Only	Only
Product Description	Weight	Qty OM	CMD EXP B/O	NI	ISC	TUO
1 PLATE 44W 3/4 RANDOM	489.60	16.00 PIZ_\$CLB				
P44-34-V 4108						
1 X 4' X 4' ** CERTIFICATE **)				
LINE: 1————————————————————————————————————	- 20.1 (0 20.2					
2 FLAT AND 1/2 X 10 6061-T6 *	35.28	6.00 PI \$CLB	<u>\</u>	CONTRACTOR OF THE PROPERTY OF		
FAL-1210 2464			-)/// \
* CERTIFICATI			146	,t,Q(^	+ +×
INE: 2)		
Heat (200191132)		()		W	
3 FLAT ALU 5/8 X 2 6061-T6 RANDOM NS	17.64	/ 12.00 PI_\$CLB	The second control of	mentered and the explainment of the county company of the county of the	Commission of the commission o	ments on a metro, and and a College Abane which college is the same party of
			2		531	
1 X 12' ** CERTIFICATE **		\			1.17	
LINE: 3)	611	-		
AC17570-YR-2018-06-22			4			
Heat :(23164492)					100	e de la constitució de la cons
4 FLAT ALU 1/2 X 3/4 6061-T6 *	8.82	20.00 PI_\$CLB				
** CERTIFICA)				
LINE: 4	1		70		- L	
Heat: \(\rightarrow \) \(\rightarrow \) \(\rig			2	·	_	

DELIVERY - CLIENT

C00009643C

				PCS NB		Ī	Internal Use Only	I Use	Only	
Product Description	Qty	Weight	CMD	EXP	B/0	IN	I	S		DUT
5 FLAT ALU 3/8 X 5 6061-T6 * FAL-385 2625 1 X 294 ** CERTIFICATE **	44.00	SHOO.)		3XB						
LINE: 6 Heat (002)170424A)	76 64	710 18 0			the second state of the second	mod in construction to a state of the state	Total country also	The state of the s		the course and it was made intended something
6 PLATE 4140 HEAT IKEAT 1/2 NS P4140-12H 8509 1 PC1-5/8" X 72" ** CERTIFICATE **	10.01				2/2					
LINE: 7					2					
AC-1/5/1-FU-2018-0/-03	Total Weight (Lbs):	: 611.88	NIR: R-109516-6	09516-6				-		
Conditions: All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by All sold and delivered materials remain the property of "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.	made in full, complete and cas nity is transferred by "Acier Ou on charges of 2% per month (is choice to claim for the balan cut or modified cannot be ret.	shed. All lost materials are at the buyer's exp leliette Inc." to the client. The buyer hereby v 24% per annum) on all past due amounts on ce due or the repossession of the goods sold irned. All goods returned must be with our a	ense. The warr. sccepts to respi eer 30 days. An All claims mus	anty offered bect the default in the made i are subject i	» °					
					ſ					
Prepared By: Verified By: Time			1	ο Β						
	Custor	Customer's Signature		Date						



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO040268

Tel (613) 632-5200

Supplier: ACI001-VC

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield QC

J6S 5L1 Canada Phone: 800 667 4248

Fax: 450 377 5696

PO No:

PO040268

PO Date:

6/20/18 6/28/18

Due Date: **Purchase Order**

Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com REVISED

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: QUOTE SOU0113744

				Items							
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (CAD)	Extended Price
A A	A CANACA THE CONTRACTOR OF THE	MT-HRS-P-0.750		Hot Rolled Steel Plate 0.750" (44W) : MATERIAL: HOT ROLLED STEEL SHEET ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	Firmed	6/28/18	16 ft	0 ft 168 f	16 ft	\$22.3225/ft AT 18/0	C Annual Communication
Line Item Note	1 PC	S OF 4 FT X 4 FT = 16SF		The Control of the Co	L	1	TO THE THE PERSON NAMED IN	***********		l	£
2 V _M		M6061T6B0.500X10.000		6061-T6 Bar .500 x 10.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	1	6/28/18	6 ft	6fr	6 ft	\$18.46/ft AC (8/0	1
3 At		M6061T6B0.625X02.000		6061T6 Bar 0.625 X 2.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	1	6/28/18	12 ft	Oft		\$6.1141666/ft AT (8/67,	i

Line	Job	Part	Supplier Part No	Description	Status	Due Date	Order	Received		Unit	Extende
A A	_	M6061T6B0.500X00.750		6061T6 Bar 0.500 X 0.750 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft			Quantity 20 ft		20 ft		The second secon
5		M6061T6B2.250X4.000		6061T6 Bar 2.250 X 4.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	12 ft	O ft	12 ft	\$46.50/ft	\$558.0
6 Ar		M6061T6B0.375X5.000		6061T6 Bar 0.375 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	20 ft	0 ft 24 ft	20 ft	\$7.611/ft	
7	ľ	MT-4140-S-0.500X1.625		4140 Steel Plate 0.500 X 1.625 receive ft	Firmed	7/6/18	6 ft	O ft	6 ft	\$24.80667/ft	\$148.84

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/21/18 7:23 AM dart.lavoie.chantal

Certificate of Mill Test Results

BL VIM-514606-002

Pg 1/1

LES ACIERS OUELLETTE INC.

BARRE RECT. ALUM ECONOPLT 6061-T6511 500" X 10.00" X 144.0000" PART NO.

PO/Rel AC00007335

Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du materiel ou les données resultent

de l'analyse faite par un laboratoire qualifie SIGNE PAR:



FABRICATED PRODUCTS



CERTIFIED TEST REPORT

http://Online.KalserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

CUSTOMER PO NUMB	ER:	CUSTOMER	PART NUMBER:	PRODUCT DESCRIPTION	Ŀ	
VIM-641383-1		W60/STK		500 X 10,000 PRE	CISION WIDE	BAR
KAISER ORDER NUMB 6030975	OO1		SHIP DATE: 05/12/2017	KAISER LOT NUMBER: Z00191132	ALLOY:	TEMPER:
WEIGHT SHIPPED: 1128.000 LB	16,000 P		B/L NUMBER: 619100	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12,000 FT
SHIP TO:				SOLD TO:		
Z						

Actual Physical Properties

	REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG	HARI	NESS	CONDUCT.	BEND
4	200191132	0001	0001	49,3	44.1	12.9	RE	35	N/A	N/A
	Z00191132	0001	0002	50.5	45.3	13.7	RE	95	N/A	N/A
	200191132	0001	0003	50.1	45.2	13.3	RE	95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	C.00	0.80	0.04	0.00	0.00	NA	AM	NA	0.00	0.00
107292	.73	. 27	.27	.13	.83	.09	.15	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

hereby certifies that metal shipped under this order has been Kaises Aluminum Fabricated Products, LLC inspected and tested and found in conformance with applicable specifications. Examing a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Plant Serial: 00286395

Kaiser Order Number: 6030975

Line Item: 001

Page 1 of 1

RELEASED 2009 - 05 - 05 AVA

REV. B SHEET 1 OF 1 09 07.13 01.06.08 DATE TITLE 6061-16 BAR CONTRIBUTE OF THE PROPERTY O DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M6061T6B 3 B REMOVE QQ-4-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1) DATE 09.07.13 A NEW ISSUE CHECKED MFG, APPR. APPROVED DESIGN REV.

SPECIFICATION CONTROL DRAWING

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SPECIFICATION:

OD-A-225/8 OR AMS-OD-A-225/8 (OR AMS 4117/4128/4115/4116) OR OG-A-200/8 OR AMS-OD-A-200/8 (OR AMS 4160) OR ASTM B211 OF ASTM B221 PURCHASE MATERIAL (6061) T6/T651/T6510 T6511 J 62 ALUMINUM BAR

PART NUMBER:

M6061T68 T.TTT X WW.WWW

WHERE "T,TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

U

MATERIAL: M6061	76B	0.50	0×10.000		PO / BATCH	NO.: <u>(0040</u>	268/508959
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:				THI	CKNESS ORDE CKNESS RECEI EET SIZE ORDE EET SIZE RECEI	VED: 0.50	10 ^{(*}
DESCRIPTION	(Ch	CR neck (N)			COMMEN	TS	
SURFACE DAMAGE	Υ	(1)			1/190 V DI - 201 - 201		
CORRECT FINISH	V	N					
CORROSION	Y	(1)					
CORRECT GRAIN DIRECTION	Ø	N					
CORRECT MATERIAL PER M-DRAWING	M	N	AS1M	-B221			
CORRECT THICKNESS	M	N					
PHOTO REQUIRED	Y	N				*****	
CORRECT REF # TO LINK CERT	X	N	41:	200/11/132			
CORRECT MATERIAL IDENTFICATION	\sim	N					
CORRECT M# ON THE MATERIAL	M	N			10		
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)					
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(z)					
CUT SAMPLE PIECE	E OF	MAT	TERIAL AI	ND PREFOR	RM A HARDNE	SS CHECK.	
	F	RECO	ORD RES	JLTS BELO	W		
			HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE						-/0iu-/b	
HARDNESS / DUROMETER READII	NG			-			
	te	esters	located in t	he Quality Off	ice		

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: _	AT DAS	SIGNED OFF BY:
DATE:	18/07/06 3-89	DATE:

Dout.

HYDRO

Hydro Extrusion USA, LLC 53 POTTSVILLE STREET

CRESSONA, PA 17929-0187

Certified Test Report

Certified Sales Order Number	Certified Test Report	Customer P/O	Cert Number HYDRO2869850 Cert Creation Date	Page 1 of 2 Cert Print Date	1 of 2 Date
1101383006	1	4500883025-00001	U8-IMIA I -10	TOTAL OO	

Quantity Shipped		Date Shipped	Item Description Extruded Rectangular Bar	Specification
3174	LB	08-MAY-18	0.625 TK x 2.000 W 144 IN LN	AMS-QQ-A-200/8 REV A ASMESB221 REV 09
B/L		Item No.	FIN M-MILL W/E 1.47 F 04 CS 2.1	UNS#A96061 REV
925555		G03361955	6061/T6511) Marking CONTINUOUS;	
Delivery Id		Item No. Rev		
4999104				
CustomerPart No.				
160001347				
Applicable Specifications, Revisions and Exceptions	ons, Revisions	and Exceptions		
COMPOSITION NO	OTE: The valu	COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on	Total' have met the limits as	shown on
this certified inspect	ion report. R.	this certified inspection report. Remainder is Aluminum.		

Signature And Title Darrell Wenrich

Quality Manager

08-MAY-18

Hydro Extrusion USA, LLC hereby certifies that the metal shipped under this report has been tested in accordance with the identified ASTM and/or ASME specifications and the results of the chemical analysis and mechanical properties tests are within the acceptable ranges of these specifications. Any product warranty is governed by the Extrusion North America Standard Terms and Conditions of Sale posted at www.hydroextrusions.com/termsconditions.

Quantities per Lot / Packages

	Net	529	529	529	529	529	529
Welgh	Gross	539	539	539	539	539	539
nom		PCS	PCS	PCS	PCS	PCS	PCS
Quantity		30	30	30	30	30	30
Lot Number		23164492	23164492	23164492	23164492	23164492 DAS	23164492
Package Number		G12-CAP1135653	G12-CAP1135655	G12-CAP1135668	G12-CAP1135669	G12-CAP1135672	G12-CAP1135673

RELEASED 2009 -05- 0.3

REV. B SHEET 1 OF 1 09.07.13 DS 01.06.08 DATE DART AEROSPACE LTD
HAVWESBURY, ONTARIO CANADA
DRAWING NO.
M6061T6B COPYRIGHT - 2001 BY DART AEROSPACE LID
THE SOCIED REMARK AND THE EXPERIENCE OF MALES OF THE PROPERTY AND THE PROPERTY OF THE P 8 B REMOVE DQA-25U/11 OPTION, REFORMAT NOTES, ADD ASTM B221/B221 (ZN D7-1)
A NEW ISSUE 6061-T6 BAR 09.07.13 MFG, APPR. APPROVED DESIGN DRAWN CHECKED DE APPR. DATE O REV.

NTS

QQ-A-226/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR (STM B227) PURCHASE MATERIAL (606) T6/1651/16510/1651) T62 ALUMINUM BAR SPECIFICATION:

SPECIFICATION CONTROL DRAWING

M6061T6B T.TTT X WW.WWW

PART NUMBER:

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WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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MATERIAL: MGOLIS	76BD	635×01	000	PO / BATCH	NO. PONYO	268 /5089594
MATERIAL: <u>M6061</u> DATE: <u>18/07/</u>	D6	007 (1000)		1075/1011	No	17001711
DATE			-			
V.					2 (-11
MATERIAL CERT REC'D: /es			- THIC	KNESS ORDE KNESS RECEI	RED: 0.62	
QUANTITY RECEIVED: 12'			THIC	KNESS RECEI	VED: 0-61	500
QUANTITY INSPECTED: 121			SHEE	T SIZE ORDE	RED:	
QUANTITY REJECTED: 🆊			SHEE	T SIZE RECEI	VED:	
			-			W
	NCR	T				
DESCRIPTION	(Check	.		COMMENT	rs	
DEGGI III TIGIN	Y/N)			OOMMEN		
SURFACE DAMAGE	YW		***************************************			
CORRECT FINISH	Ø N					
CORROSION	YW)				
CORRECT GRAIN DIRECTION	V N					
CORRECT MATERIAL PER M-DRAWING	Ø N	4	MB221		No.	
CORRECT THICKNESS	N					
PHOTO REQUIRED	Y O					
CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION	X N		73164492			
CORRECT M# ON THE MATERIAL	Y) N					
DOES THIS MATERIAL REQUIRE	V IN			2000 10 00		
ENGINEERING SIGN OFF	YIN					
DOES THIS REQUIRE AN	7					
EXTRUSION REPORT	YN					
CUT SAMPLE PIECE	OF MA	TEDIAL A	ND DDEEODA	4 A LIADDNE	CC CLIECK	
COT SAMPLE PIECE			SULTS BELOW		SS CHECK.	
	T	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					20112	WEBGIER
SIZE OF TEST SAMPLE			2792 Daniel			
HARDNESS / DUROMETER READIN	1G					
	tester	s located in	the Quality Offic	<u>e</u>		
360						
QC 18 INSPECTION			DESCRIPTION OF THE	ENGINEER	RING SIGNOR	F (if required)
	746					(ii rogali od)
INSPECTED BY:	S.		SIGN	IED OFF BY:		
DATE: 18/57/8	(39			DATE:		

1840



Service Center Metals

5850 Quality Way Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



	OUR ORDER NUMBER	ITEM	
	284260	2	_
5			. г
_	CERTIFICATION		
	ASTM-B221-14 No Stencil	ncil	
1	SPECIEICATION		τ
_		*6	
_	AMS-QQA-200/8 Rev-A		

					Transfer of the state of the st	CEDITIENATION
BILL TO			MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	מואסונווצטס
			321955	RB0091	2/7/2017	ASTM-B
SHIP TO			CUSTOMER PO		SALESPERSON	SPECIFICATIO
Metaux Specialises Samuel	amnel		C73927	6061-TG511	D.Schroeder (Canada)	AMS OC
0	. 010	1	CUSTOMER PART NUMBER	DESCRIPTION		OM.
Quantity Certified	1,058 lbs	TZUpcs	V836312 /	SCRB .500x.750	`	

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-16511 also meet the requirements of 6061-16.

This product is RoHS-2, REACH, and DFARS compliant. We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification

Mechanical Properties Tests Lot No.	Papsus	Test Date	Ultimate Tensile Strength (KSI)	Sile Sile	Yield Strengtl (KSI)	ıth	Percent Elongation	tion
2 201701604 ,		2/1/17	min n 42.40 4	тах п 43.00 3	min m 36.50 3	37.20	min 18.70	max 19.60

	Melt Source:	United States of America
	ters <u>Total</u>	0.15
	Others <u>Each</u> Total	0.05
	W AF	98.00
	FI	0.02
	Zn	0.01 0.02
	히	0.07
	Mg	0.84
	Mn	0.07
y 6061	리	0.19
ım Allo	F.	0.21
luminu	<u>i</u>	0.60
n for A	Alloy	6061
hemical Composition for Aluminum Alloy	Lot No.	20170121D 201701604
Chemical (Cast#	002M170121E
10 -0 -0		

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 9/8/16

Print Date: 2/7/2017

PELEASED 2009 - 05- 03-

WE DOA-350/11 OPTION REFORMAT NOTES AND

×

PURCHASE MATERIAL 6061 F6/T651/T6516/T6511/162 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

SPECIFICATION:

0

(e)

00-4-2268 OR AMS-00-4-225/8 (OR AMS 4117/4128/4115/4116) OR 00-4-200/8 OR AMS-00-4-200/8 OR AMS 4160) OR ASTM BEHT OR ASTM BZZT

PART NUMBER:

M6061T68 T.TTT X WW.WWW

B T.TTT X WW.WWWW
THICK WIDTH

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

U

WHERE "T, TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

MATERIAL: M 600 DATE: 18/07	176BD.	500800,	750	PO / BATCH	NO.: 10040	268/5089595
DATE: 18/07	106					
MATERIAL CERT REC'D: Ves QUANTITY RECEIVED: 20				KNESS ORDEI KNESS RECEI'		
QUANTITY INSPECTED: 20'				T SIZE ORDE		
QUANTITY REJECTED:	***			T SIZE RECEI	(A. ————————————————————————————————————	
<u>p</u>						
DESCRIPTION	NCR (Check Y/N)			COMMENT	ΓS	
SURFACE DAMAGE	YN					
CORRECT FINISH	WN					
CORROSION	YN					
CORRECT GRAIN DIRECTION	W N	•	4			
CORRECT MATERIAL PER M-DRAWING	(Y) N	47:	AMS-Q	QA - 200/8	?	
CORRECT THICKNESS	(Y) N					
PHOTO REQUIRED	YN					
CORRECT REF # TO LINK CERT	YN	M:	1071 M 200	1210		
CORRECT MATERIAL IDENTFICATION	(Y) N				,	
CORRECT M# ON THE MATERIAL	(Ÿ) N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YN				(A)	
DOES THIS REQUIRE AN						
EXTRUSION REPORT	YW					
CUT SAMPLE PIECE			ND PREFORM ULTS BELOW		SS CHECK.	
		HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL		_				
SIZE OF TEST SAMPLE						
HARDNESS / DUROMETER READI	NG -					
	footors	la catad in	the Quality Office			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: Af 9	SIGNED OFF BY:
DATE: (8/07/06 9-89	DATE:

0P-CRC-741

ACIER OUELLETTE DIV-VALLEYFIELD BARRE RECT. ALUMINIUM 6061-16511 375" x 5.00" X 240.0000" PART NO.

アムロロゴ

rO,Rel AC00007514

21287

S 45T

Pg 1/1

Signed by:

Certificate of Mill Test Results BL PEC-054007-001

We certify that this is a rate copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Service Center Metals

Prince George, VA 23875

5850 Quality Way

920656

CHIR ORDICK MUNICIPA

RoHS 2011/85/EU Compliant ASTM-8221-14 StencilCont AMS-QQA-20008 Rev-A CERTIFICATION SPECIFICATION D.Schroeder (Canada) 5/17/2017 DATE OF SHIP

revision, and has been found to meet the applicable requirements described harein, including any specifications forming a part of the description, and that samples representative of the meterial met the composition limits and had the mechanical properties shown. Hems produced and certified as 6061-16511 also meet the requirements of 6061-16. We heraby certify that the material covered by this report has been inspected in accordance with the most recent certification

SCRB .375x5.000

RB0089 X 240

CUSTOMER PART NUMBER

47 pcs

2,072 lbs

Quantity Certified

4

DESCRIPTION

6061-T6511 RB0089

PEC-282695

CUSTOMER PO

332887

SEL TO

echanical Properties ests Lot No.	Test Date	Strength (KSI)		(KSI)		Elongation	afion
1 201707617	5/1/17	min n	max 44.90	min 40.70	max 40.70	min 17.90	max 17.90

	Total Met Source:	0.15 United States of America
	Each Total	90.0
	ਰ	97.96
	П	0.02
	다 5	0.03
	ଧ	0.23 0.18 0.06 0.84 0.07 0.03 0.02 97.95
		0.84
STATE OF STATES	§	90'0
COLUMN SOURCE	Ee Cu Mu	0.18
	2	0.23
CONTROL OF THE PARTY OF THE PAR	쪠	0.63
200	Alloy	6061
The second secon	Lot No.	9 201707617
	Cast#	002.1170424A 201707617 6061

SCM products are melted and extruded in the USA

Doc No. 258412 Indexed 19May17 by sissip.

R Z009 -DS- D Z

09.07.13 01.06.08 d O B REMOVE QQ-A-280/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)

REV. B S DART AEROSPACE LTD
HAWKESBURY, ONTARIO CANADA

S DRAWING NO.

M6061T6B
SHEE A NEW ISSUE

DESIGN REV.

~

COPYRIGHT - 101 BY DART AEROSPACE LID FOR STRAFF STOOMS STRAFF TO 2 mre 6061-T6 BAR CHECKED ANG MFG. APPR. APPROVED AND DE APPR. DATE 09.07.13 DRAWN

SHEET 1 OF 1

SPECIFICATION CONTROL DRAWING

0

PURCHASE MATERIAL 608 - 16/1651/16510/16511/162 ALUMINUM BAR

QQ-A-226/8 OR AMS-QQ-A-225/8 (QR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR \$MS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B22+

WHERE "T.TT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES M6061T6B T.TTT X WW.WWW WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

PART NUMBER:

SPECIFICATION:

U

(8)

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MATERIAL: M 600	017	6B0	0.375×	5. 000	PO / BATCH	1 NO.: <u>Po 0 °</u>	10268/50893
DATE: 18/07, MATERIAL CERT REC'D: 1/25 QUANTITY RECEIVED: 24' QUANTITY INSPECTED: 24' QUANTITY REJECTED: 1/2	706			THI	CKNESS ORDE CKNESS RECE ET SIZE ORDE ET SIZE RECEI	IVED: U-3	75"
DESCRIPTION	(Cr	CR neck (N)			COMMEN	TS	
SURFACE DAMAGE	Y	T(V)					
CORRECT FINISH	(2)						
CORROSION	Y	W					
CORRECT GRAIN DIRECTION	0	N					
CORRECT MATERIAL PER M-DRAWING	0	N	AMS	-QQA-20	0/8		
CORRECT THICKNESS	W	N		2000			
PHOTO REQUIRED	X	N					
CORRECT REF # TO LINK CERT	W	N	111:0	02 517042	MA		
CORRECT MATERIAL IDENTFICATION	1	N	11				
CORRECT M# ON THE MATERIAL	M	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(R)					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(3)					
						1000	
CUT SAMPLE PIECE				ND PREFOR		SS CHECK.	
			HRC	HRB	DURA	DUR D	WEBSTER
YPE OF MATERIAL			, , ,		1 DOILY	DOIND	VVLDGTER
SIZE OF TEST SAMPLE							1
IARDNESS / DUROMETER READII	٧G		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		sters	located in	the Quality Offi	CP	L	

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: A BAS	SIGNED OFF BY:
DATE: (8/07/06	DATE:

GUTSTANDING CAPITAL : 3.500.000.000 TL

OUSTONER
ONDER NO
STRENSLONS, mm
STANDARD & GRADE
CSA 540.21-13 I ASTIA A572-15, 300W1350W I GR50 TYPE 2[ENDEMIR 3246]
PRODUCT TYPE & DEFINITION LIKE (HOT ROLLED HEAVY PLATE WITH MILL EDGE

C E R T I F I C A T E EN 10204 : 2004 TYPE 3.1 TEST

DATE :16/08/2017 CERTIFICATE NO :7/275251

heat: 725249

WETHE MANUFACTURES) HERSEY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN MAS BEEN MADE BY THE BASIC DXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CSA. G40.21-13.7 ASTM AST2-15.300W/250W / GRSD TYPE 2 (ERDEMÍR 2246) WITH SATISFACTORY RESULTS.





NOTE: T.Top, M.Niddie, E.End, F.Transverse, L.Longitudinal, P.S. Piece of Slice, P.Priece of Plata NERSIS Number(Istanbui Head Office): 0352-0006-4260-0020; Trade Registry Number(Istanbui) 90639, Trade Registry Number(Ereg.: Department) 1571777 Head Office: Istanbul, Barbaros Mah. Ardig Sok. No: 6 34746 Alagehir ISTANBUL - TURKEY



www.erdenir.com.tr

OUTSTANDING CAPITAL : 3.500,000,000 TL

DATE :16/08/2017 CERTIFICATE NO :71275251

TEST CERTIFICATE EN 10204 : 2004 TYPE 3.1

CUSTOMER ORDER NO

NO MERCURY COMPOUNDS NO WELD 2592

EMICAL COMPOSITION, CAST ANA MA	FULLY	KILLED /	AND FINE G	2332 NO MERCURY CAMPONIOS NO MELD REPAIR FULLY KILLED AND FIME GRAIN PRACTICE	WELD	REPA!	œ					2.0					نادر													
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NOTE: T. Top, Mithigural E.End. T. Transverse, L. Longitudinal P. S. Piace of Slice, P. Piace of Plate
MESSIS Number (Islanbul Hend Office) - 9352-0006-4266-0020: Trade Registry Number (Islanbul Department). 90659: Trade Registry Number (Erugh) Department). 15747777

Head Office: Islanbul: Barbaras Mah, Ardry Sok. No. 6 34746 Ataşehir (STANBUL. TLANE).

ERDEMIR

Wer. Erdenif. com. Ir.

Company of the Compan

GUISTANDING CAPITAL 3.500,000,000 TL

:16/08/2017

DATE : 16/08/20 CERTIFICATE NO : 71275251 PAGE NO

C E R T I F I C A T E EN 10264 : 2004 TYPE 3.1

TESI

CUSTOMER DRDER NO

CASTOWER

CHOST NO.

19.050 X 2438 X 6096 (0.750 X 96 X 240 INCH)

STANDARD & GRADE

CSA G40.21-19 / ASTM A572-15 306W/350W / GR50 TYPE 2 (ERDEMÍR 3246)

PROCUCT TYPE & DEFINITION : LKK : HOT ROLLED HEAVY PLATE WITH MILL EDGE

2502

2592 FULY KI	LLED A	NO MERCUR ND FINE G	2592 NO WERD REPAIR FULLY KILLED AND FINE GRAIN PRACTICE	WELD	REPAI	<u>«</u>			7							*												
PRODUCT	. 1	NFO	INFORMATIONS	ss -				æ.	S H	=	C A LIB							CHEMICAL	2 - 3		OMP	COMPOSITION, CAST	0 1	CAS	- ×	4	4818	
CKET NO WEIGHT		HEAT NO	COIL OT PLATE NO	7 2 4 8 4	% SS	SAM PCS YIELD TENSI STRENGTH NIMMZ NIMMZ	TENSILE TEST YIELD TENSIL STRENSTH NIMMZ NIMMZ	11 % 11 % 200 12 % 12 % 12 % 12 % 12 % 1	BEND	AA		AL SE	MASS SSS .	POSITION 2	· · ·	oule AVR TEM	HIGH TEMP 'C YIELD NIMME	O at	₫ ₂₆	D. 36	07 3K	₩ W	₹*	3,4	> %	2 dd.		CERTAIN DESIGNATION OF THE PARTY OF THE PART
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VECTHE WANUFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CSA G40. 21-13 I ASTA A572-15 JOGWISSON I GRED TYPE 2 (EMDEMIN 3246) WITH SATISFACTORY RESULTS.







NOTE: Titop, Nightorie Resend, Tittansverse, Litongiludinal, P.S. Piece of Silce, P.P. Piece of Plate
MERSIS Number (Islandul Head Office): 0352-0006-4260-6020. Trade Registry Number (Establi Department): 1574/212.
Head Office: Islandul: Barbaros Mah. Ardre Sok. No. 6 34746 Ataşahir İSTANBUL - TÜRKEY

ERDEMIR

www.erdenir.com.tr

CUTSTANDING CAPITAL : 3.500.000.000 TL

CERTIFICATE EN 10204 : 2004 TYPE 3.1

TEST

DATE :16/06/2017 CERTIFICATE NO :71275251 PAGE NO

CUSTOMÉR (19602713707 (19602713707 (1960 X 98 X 240 INCH) (19602713707 (19602713707 (19602713707 (19602713707 (19602713707 (19602713707 (19602713707 (19602713707 (196027137 (196027 196027 (196027 196027 196027 (196027 196027 (196027 196027 (1960

ANALYSIS

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Charactions Colours	2592 FULLY KILLE	NO MERCI	2592 NO MERCURY COMPOUNDS NO WELD REPAIR FULLY KILLED AND FINE GRAIN PRACTICE	WELD R	EPAIR									at l							. 2		
MAT MEAT NO COIL P S TEMSTIE TEST Ag VIT Second Early MET TEMSTIE TEST Ag VIT TEST MET TEMSTIE TEST AL TEMSTIE T	PRODUC		RMATIONS				×	. ខា -	=					M (Max		HEY	I C A	0.0	P 0 S		N. C.A.S	t-	X X
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WE(THE WANUFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN NADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CEA GAD 21-13 I ASTM ASTZ-15 300W/350W I GRSD TYPE 2(ENDEMIR 3248) WITH SATISFACTORY RESULTS



SOUTH OF STATE OF STA

NOTE: T.Top. Number(Istanbul Head Office): 0352-0006-4260-0020, Trade Registry Number(Eregli Department): 90559; Trade Registry Number(Eregli Department): 50559; Trade Registry Number(Eregli Department): 50559; Trade Registry Number(Eregli Department): 50559; Trade Registry Number(Eregli Department): 50545777

ERDEMIR

www erdemir.com, tr

CUTSTANDING CAPITAL 3.500.000; 000 TL

C E R T I F I C A T E

TEST

CERTIFICATE NO :71275251
PAGE NO

CUSTOMER ORDER NO DIMENSICHS, mm STANDARD & GRADE

OKODER NO 178802713707
DIMENSICAIS, mm 19.050 X 2438 X 6096 (0.750 X 96 X 240 INCH)
STANDARD & GRADE CSA G40 21-13 / ASTM A572-15 300W/350W I GR50 TYPE 2 [ERDEMÍR 3246)
PRODUCT TYPE & DEFINITION : LIKK : HOT ROLLED HEAVY PLATE WITH MILL EDGE

NO MERCURY COMPOUNDS NO WELD REPAIR 2582 100

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WEITHE MANUFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS SEEN WADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CSA 640.21-13 / ASTM AS72-15 300W/350V / GRSG TYPE 2/ERDEMIR 32-46) WITH SATISFACTORY RESULTS



Serving VE Cel.

NOTE: T Top. M.Widdle, E.End. I. Transverse, L.Longliudinal, P. S.Piece of Sirce, P.P. Piece of Piale
NERSIS Number Listanbur Hand Office): 0362-0066-4250-0020; Trade Regislry Number [Islanbur]: 90859; Trade Regislry Number (Eregi: Department): 1574/277
Hoad Office: Islanbuf: Barbaros Nah, Ardiç Sok. No. 6. 34746 Ataçehir (STANBUL : TERKEY

ERDEMIR

We erdenir com, I.

BY APPROVED HOT ROLLED STEEL PLATE DART MT-HRS-P TOLERANCES PER MANUFACTURER SPECIFICATIONS 17.675 ECN# ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018 WHERE T.TTT IS PLATE THICKNESS IN INCHES REMOVED LENGTH AND WIDTH DIMENSIONS DESCRIPTION HOT ROLLED STEEL PLATE SPECIFICATION CONTROL DRAWING MT-HRS-P-[T.TTT] MT-HRS-P-0.750 REV. PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE: ∞

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MATERIAL: MT-F	185	-P-	0-750		PO / BATCH	NO.: <u>Роо</u>	10268/598959
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:				THIC	CKNESS ORDEF KNESS RECEIN ET SIZE ORDEF ET SIZE RECEIN	VED: 0.75 RED: 4'€	0"
DESCRIPTION	(Ch	CR neck (N)			COMMENT	S	
SURFACE DAMAGE	Y	N					
CORRECT FINISH	(Y)	N					
CORROSION	Y	(1)					
CORRECT GRAIN DIRECTION	(Ý)	N					
CORRECT MATERIAL PER M-DRAWING	M	N	ASTEL	A572 ac	ceptable	use for k	.B only PD.
CORRECT THICKNESS	W	N				100	0
PHOTO REQUIRED	Y	(N)					
CORRECT REF # TO LINK CERT	(8)	N	HT:	725249			
CORRECT MATERIAL IDENTFICATION		N	facilities .				
CORRECT M# ON THE MATERIAL	(Y)	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y (N)							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
		0			80		
CUT SAMPLE PIECI	E OF	MA	TERIAL A	ND PREFOR	M A HARDNE	SS CHECK.	
	F	RECO	ORD RES	SULTS BELOV	V		
			HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READI	NG						
-	te	esters	located in	the Quality Office	ce		

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: At	SIGNED OFF BY:
DATE: (8/27/12	DATE: